



October 1996

# ***1996 Evergreen Award for Pollution Prevention***

## ***Fluke Corporation***

### **Everett, Washington**

The Environmental Protection Agency's 1996 Evergreen Award for Pollution Prevention honors the efforts of the Fluke Corporation of Everett, Washington. Fluke's commitment to safeguarding the land, water and air resources of the communities in which it operates makes the company a deserving recipient of this recognition.

Fluke Corporation designs compact electronic test tools; the company's manufacturing processes include the production of multi-layer circuit boards, semiconductors, transformers and plastic molding, as well as final assembly of finished electronic products.

### **Pollution Prevention Success**

Since 1988, Fluke Corporation's efforts to streamline its manufacturing processes have resulted in substantial pollution reductions:

- \* By switching to semi-aqueous cleaning systems, the company completely eliminated use of ozone-depleting chemicals and chlorinated solvents such as CFC-113; 1,1,1-trichloroethane; trichloroethylene; and methylene chloride.
- \* Through a variety of process changes over the past decade, Fluke has reduced the amount of hazardous waste generated from 911 tons to only 585 tons. In 1986, 78% of its hazardous waste was treated off-site; today, less than 2% is shipped elsewhere for treatment.
- \* Installing flow meters, repairing leaks and other improvements to rinse tanks reduced the company's overall water usage by 3,500,000 gallons per month, a savings of \$186,000 per year.
- \* Replacing the main building's pneumatic heating, ventilation and air conditioning system with a microprocessor-based direct control technology allowed Fluke to lower annual electrical usage by 2.2 million kilowatt hours, an energy savings of \$52,000 per year.
- \* Dedicated recycling and the use of silverware in the cafeteria reduced non-hazardous solid waste by 374 tons per year as of 1993. Based on current disposal rates, this program alone saves the company about \$54,600 per year.
- \* Using the Seattle Waste Exchange Program, the Fluke Corporation "trades" leftover sulfuric acid to a local waste treatment company, who in turn used the acid as raw material for its own process; the exchange saves Fluke approximately \$22,800 per year in disposal costs.

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## **Commitment to Environmental Quality**

Fluke Corporation's Board of Directors encourages pollution prevention through an *Environmental Principles Statement*, a corporate policy that advocates resource conservation and recycling, life cycle assessment of products, and compliance with environmental laws. The company values open communication regarding its environmental status with employees, the local community, and government, as well as with its financial stakeholders. Fluke encourages its business partners to take similar responsibility for their own products and processes.

## **Environmental Leadership**

Fluke Corporation demonstrates both experience and commitment to overall environmental stewardship, as well as a willingness to share this expertise with others. For example, as a participant in the Northwest Pollution Prevention Research Center's Industry Liasion Project, Fluke's pollution prevention know-how provides other local circuit board manufacturers with the proficiency to re-examine and improve their own operations. Fluke has also received the following honors:

- 1989:** EPA 33/50 Toxic Reduction Program Participant
- 1993, 1996:** Washington Governor's Award for Outstanding Achievement in Pollution Prevention
- 1994:** Association of Washington Businesses Environmental Excellence Award
- 1994:** City of Everett Recognition for Significant Reductions in Water Usage

For more information about Fluke Corporation's environmental achievements, contact :  
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### **The Evergreen Award for Pollution Prevention**

EPA's Evergreen Award recognizes outstanding pollution prevention efforts within all sectors of the greater Pacific Northwest business community. For more information about Region 10's Evergreen Award for Pollution Prevention, contact:

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